

ORIGINAL



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AZ CORP COMMISSION
DOCKET CONTROL

Attorneys for Arizona Public Service Company

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

BOB STUMP, Chairman
GARY PIERCE
BRENDA BURNS
ROBERT L. BURNS
SUSAN BITTER SMITH

Arizona Corporation Commission

DOCKETED

OCT - 1 2014

DOCKETED BY

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IN THE MATTER OF THE
APPLICATION OF ARIZONA PUBLIC
SERVICE COMPANY IN
CONFORMANCE WITH THE
REQUIREMENTS OF ARIZONA
REVISED STATUTES §§ 40-360, *et seq.*,
FOR A CERTIFICATE OF
ENVIRONMENTAL COMPATIBILITY
AUTHORIZING THE TS-5 TO TS-9
500/230 kV TRANSMISSION LINE
PROJECT, WHICH ORIGINATES AT
THE FUTURE TS-5 SUBSTATION,
LOCATED IN THE WEST HALF OF
SECTION 29, TOWNSHIP 4 NORTH,
RANGE 4 WEST AND TERMINATES
AT THE FUTURE TS-9 SUBSTATION,
LOCATED IN SECTION 33, TOWNSHIP
6 NORTH, RANGE 1 EAST, IN
MARICOPA COUNTY, ARIZONA.

DOCKET NO. L-00000D-08-0330-00138

CASE NO. 138

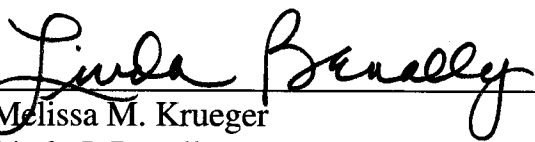
**APS NOTICE OF LODGING PUBLIC
COMMENTS IN THE DOCKET**

APS gives notice that with this filing it is lodging in the docket copies of public comments received in response to its July 17, 2014 notice to property owners along the certificated route. A copy of the July 17, 2014 notice is attached as Exhibit A.

1 APS mailed Exhibit A to more than 1,700 addresses, which included property
2 owners within one mile of the certificated route approved by Decision No. 70850, as
3 well as property owners within one mile of the Arizona State Land proposed
4 modification to the route as described in APS's July 11, 2014 Application to Amend
5 Arizona Corporation Commission Decision No. 70850 Re CEC 138 and Request for
6 Extension of CEC Term. APS requested that comments be submitted by August 27,
7 2014.

8 As a result of this outreach, APS received twenty-two comments, including five
9 mailed letters, five emails, four comments through the website and eight phone calls.
10 Copies of the comments received are attached as Exhibit B. In addition, a petition with
11 45 signatures was received. A copy of the petition is attached as Exhibit C. To protect
12 the privacy of the individuals who provided comments, their addresses, telephone
13 numbers and email addresses have been redacted.

14 RESPECTFULLY SUBMITTED this 1st day of October 2014.

15
16 By: 
17 Melissa M. Krueger
18 Linda J. Benally
19 Attorneys for Arizona Public Service Company

20 ORIGINAL and thirteen (13) copies
21 of the foregoing filed this 1st day of
22 October 2014, with:

23 Docket Control
24 ARIZONA CORPORATION COMMISSION
25 1200 West Washington Street
26 Phoenix, Arizona 85007
27
28

Copies of the foregoing delivered and/or mailed this 1st
day of October 2014, to:

Janice Alward
Legal Division
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

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Surprise, AZ 85374

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6 Attorney
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9 Phoenix, AZ 85004-1052

Christopher Welker
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Phoenix, AZ 85044

9 Charles Hains
10 Legal Division
11 Arizona Corporation Commission
12 1200 W. Washington
13 Phoenix, AZ 85007
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Exhibit A



RICHARD STUHAN
Siting Consultant Sr.
Transmission & Facility Siting

P.O. Box 53999
Phoenix, AZ 85072
Mail Station 3293
Tel 602 493 4448

July 17, 2014

Re: Arizona Public Service (APS) Sun Valley (TS-5) to Morgan (TS-9) 500/230kV
Transmission Line - ASLD Proposed Corridor and APS Proposed Corridor
Modifications

Dear Owner or Resident:

You are receiving this mailing because you live within one mile of APS's future Sun Valley to Morgan Transmission Line Project, which was approved by the Arizona Corporation Commission ("ACC") on March 17, 2009 in Decision No. 70850. The Bureau of Land Management developed an Environmental Impact Statement and completed federal review in January of 2014 also approving the Project. Recently, APS has filed a request to modify portions of the route of this transmission line. This mailing is to provide you with information about the proposed modifications and invite your comments.

Project Description

Approximately 39 miles in length, the Sun Valley to Morgan Transmission Line Project ("Project") will include both single-circuit 500-kilovolt (kV) and single circuit 230-kV transmission lines on the same structures. The 500-kV circuit increases import and export capability from the Palo Verde Hub by 600 megawatts, enough to serve 150,000 residential customers. It improves reliability of the transmission system and will also help mitigate any potential impact of wildfires and other system disturbances. The 230-kV circuit provides for continued growth in the far northwest Valley.

Proposed Project Route Location Modifications

1. 211th Ave to 235th Ave & Cloud Road: In response to a request from the Arizona State Land Department ("ASLD"), APS filed a request with the ACC to amend the Certificate of Environmental Compatibility ("CEC") to relocate four miles of the Certificated Corridor. If approved by the ACC, the relocation would move the corridor between 235th Avenue and 211th Avenue from the Joy Ranch Road alignment to the Cloud Road alignment and move a one mile segment along 235th Avenue between Joy Ranch Road and Cloud Road alignment to 211th Avenue.

The ASLD proposed corridor begins at the intersection of 235th Avenue and Cloud Road, just north of US 60. From that intersection, it would parallel the north side of Cloud Road, east for three miles to the intersection with 211th Avenue. It would then parallel the west side of 211th Avenue for one mile to the north and rejoin the Certificated Corridor (see map).

Both the Certificated Corridor and ASLD proposed corridor are located on land administered by the ASLD.

2. Near 179th Ave and Joy Ranch Road: a modification to add a small area to the corridor so that it would run in a straight alignment with the section line reducing the number of turning structures required for the transmission line.
3. Near the Morgan Substation: a modification to expand the corridor to allow for the flexibility to design a more efficient connection into the Morgan Substation, reducing right-of-way and turning structures.
4. Near the Sun Valley Substation: a modification to expand the corridor to allow for the efficient use of existing rights-of-way by co-locating this Project adjacent to another approved 230kV line.

APS Proposes to Extend Time Limit For CEC

APS also has asked for a term extension of five additional years for the in-service date of the 500-kV circuit to 2021 and eleven additional years for the in-service date of the 230-kV circuit of the transmission line to 2030.

Opportunity to Provide Comment

Please review the changes discussed in this notice, along with the map of the proposed changes, and provide any comments you may have by **Wednesday, August 27th, 2014** through any of the following means:

- Electronic comment form at www.aps.com/siting then click find out more under current siting projects
- Email: sv2m@apsc.com
- Written comments mailed to:
APS Transmission and Facility Siting
P.O. Box 53999, M.S. 3293
Phoenix, AZ 85072-3999

Contact Information

APS is committed to providing information about this project and these proposed modifications. More information about this project can be found at www.aps.com/siting or for questions about this project please contact:

Richard Stuhan
Siting Consultant Senior
602 493 4448
sv2m@apsc.com

Sincerely,



Enclosure

Exhibit B

PHILLIP E. ARTHUR

A.P.S.
C/O RICHARD STUHAN
P.O. BOX 53999
PHOENIX, AZ. 85072
Mail station 3293

REF: POWER LINES

DEAR SIR;

IN THE 13 OR 14 MILES BETWEEN THE WHITE TANK MOUNTAINS AND HWY 74, ALL FUTURE DEVELOPMENTS WILL HAVE TO DESIGN AROUND SOME MAJOR MAN MADE SCARS ON THE LAND. THE SUN VALLEY PARKWAY, APS HIGH VOTAGE LINE ALONG BEARDSLEY RD, NORTHWEST LAND FILL, LUKE AUX FIELD 1 CRASH ZONE AND THE CAP CANAL TWO NAME A FEW.

NOW MCDOT IS MOVING ALONG ON THE HIDDEN VALLEY, TURNER, ROSE, DEER VALLEY AND DOVE VALLEY PARKWAYS. ALSO APS IS MOVING ON ADDING SOME MAJOR POWER TRANSMISSION LINES RUNNING NORTH/SOUTH AND EAST/WEST THROUGH THE SAME AREAS. DON'T GET ME WRONG; I KNOW THEY WILL BE NEEDED FOR THE AREA TO DEVELOP BUT WHY DO THEY NEED TO HAVE TWO SCARS ON THE LANDSCAPE INSTEAD OF USING THE SAME RIGHT OF WAYS AND REDUCE SOME OF YOUR COST.

IN LOOKING AT THE MAP YOU SENT ME, THE S.E. CORNER HAS THE SUN VALLEY AND DEER VALLEY PARKWAYS YOUR HIGH POWER LINES AND THE CAP CANAL ALL WITHIN 2-1/2 MILES. THIS NEW SUN VALLEY TO MORGAN 500/230KV LINE SEEMS TO RUN ALONG THE HIDDEN VALLEY PARKWAY ABOUT 6 MILES THEN FOR SOME UNKNOWN REASON MAKES 5-90 DEGREE TURNS TO GET TO JOY RANCH ROAD. WHEN IT WOULD MAKE MORE SINCE TO FOLLOW THE PARKWAY ANOTHER 4 MILES TO JOY RANCH ROAD AND MAKE 1-90 DEGREE TURN TO GET TO THE SAME POINT.

IT WOULD EVEN MAKE MORE SINCE TO LOCATE YOUR POWER LINES WITHIN OR ALONGSIDE OF MCDOT'S DOVE VALLEY PARKWAY ON THE CAREFREE ROAD EASEMENTS. YOU CAN SPLIT THE COST OF ALL OF THE DEAD INDIAN AND EXTENT BIRD OR BUG STUDIES TO REDUCE THE COST TO BOTH OF YOU. THERE IS NO JUST REASON TO HAVE 5 SCARS ON THE LAND WHEN 3 WOULD DO THE SAME JOB. CALLING A TRUCE IN THE TURF BATTLES BETWEEN APS AND ALL OF THE CITY AND COUNTY GOVERNMENT AGENCIES NOT ONLY MAKES SINCE BUT IT IS JUST GOOD PUBLIC RELATIONS FOR ALL CONCERNED AND ALL OF YOU COULD DANG SURE USE SOME GOOD PUBLIC RELATIONS!

PHILLIP E. ARTHUR



1850 NORTH CENTRAL AVENUE, SUITE 1400
PHOENIX, AZ 85004-4568
TELEPHONE: (602) 285-5000
FACSIMILE: (602) 285-5100
<http://www.dickinsonwright.com>

JAMES T. BRASELTON
JBraseltont@dickinsonwright.com
(602) 285-5024

August 26, 2014

Mr. Richard Stuhan
APS Transmission and Facility Siting
P.O. Box 53999, M.S. 3293
Phoenix, AZ 85072-3999

Re: Arizona Public Service (APS) Sun Valley (TS-5) to Morgan (TS-9) 500/230kV
Transmission Line – ASLD Proposed Corridor and APS Proposed Corridor
Modifications

Dear Mr. Stuhan:

This office represents SFI Grand Vista, LLC ("SFIGV"), the owner of a large master-planned community known as "Grand Vista," that is located generally between 211th Avenue (on the west) to 183rd Avenue (on the east), from Joy Ranch Road (on the north) to approximately Dove Valley Road (on the south). In response to your letter dated July 17, 2014, we are writing to provide you with SFIGV's comments to the above-referenced modification to the existing alignments/corridors which were approved by the Arizona Corporation Commission ("ACC") on March 17, 2009. For the reasons set forth below, SFIGV objects to/opposes the proposed corridor/alignment modifications in the area between 235th Avenue and 211th Avenue.

As you know, the change to the approved corridors in this area would result in shifting the proposed high voltage transmission lines south from the Joy Ranch Road alignment to the Cloud Road alignment. Such a change would adversely impact the northwest portion of Grand Vista – a planning parcel designed for development as an age-restricted, single-family, golf course oriented community - and would diminish the value of the that portion of SFIGV's property.

This proposed change, requested by the Arizona State Land Department ("ASLD"), is similar – if not identical – to proposals made by ASLD in conjunction with the line siting hearings that were conducted with respect to this proposed project. Those hearings were extensive, evidentiary proceedings at which many of the impacted property owners (including SFIGV's predecessor, Toll Brothers) participated. The participating parties incurred substantial expense and made a significant effort to urge first the Line Siting Committee, then the ACC, to approve corridor alignments which would minimize the adverse impact to both the existing development in the area and the proposed developments for which substantial planning and zoning efforts had been completed. In contrast, ASLD urged the adoption of corridor alignments which would adversely impact the existing residents in the area and the planned projects, like Grand Vista, so as to minimize impact to its massive holdings of unplanned, unzoned, unannexed desert. After its arguments were rejected by the Line Siting Committee, ASLD re-asserted the

DICKINSON WRIGHT PLLC

Mr. Richard Stuhan
APS Transmission and Facility Siting
August 25, 2014
Page -2-

same arguments during a public hearing conducted by the ACC. At the conclusion of that hearing, the ACC too rejected ASLD's arguments. In light of those decisions by the authorities charged with establishing high voltage power line alignment corridors, ASLD should not be permitted to re-open this matter at this juncture.

The decisions of the Line Siting Committee and the ACC were based, at least in part, on the common sense long-standing policy and Arizona statute that decisions with regard to transmission line siting should give priority consideration to existing residents and proposed land development projects for which substantial investments have been made prior to the announcement of the proposed high voltage transmission line. See A.R.S. § 42-360.06(A). To the best of our client's knowledge, nothing has changed with regard to the status of land/project planning with regard to properties in this area to indicate that either the Committee or the ACC erred. Rather, this latest request from ASLD appears to be nothing more than a veiled attempt to undo what the parties to the prior line siting hearing have assumed were final determinations. As before, there is no cogent basis for shifting a proposed corridor so that it will obviously impact a master-planned community, as to property owned by an owner that has made no apparent effort whatsoever to undertake planning efforts with regard to its land.

In sum, SFIGV believes it would be inequitable and inappropriate to re-open this matter in order to allow ASLD to reassert arguments it made repeatedly during the subject line siting hearings. ASLD has offered no justification for reconsideration other than the same arguments it asserted before.

SFIGV has no objection to APS's proposed changes identified in paragraph nos. 2, 3 and 4 of your July 17, 2014 correspondence, or to APS's proposal to extend the time limit for completion of the project. Those design changes do not appear to be detrimental to the other stakeholders, and the time extension appears to be reasonable in light of the economic slowdown in the Phoenix metropolitan area and the reduction in the growth rate attributable thereto.

Please keep us apprised of any further developments with regard to these proposed changes.

Very truly yours,

DICKINSON WRIGHT PLLC



Gary L. Birnbaum
James T. Braselton

JTB:lfa

PHOENIX 99998-1691 165641v2

MEMORANDUM

From: Nick and Ellen Luca

7-31-2014

To : Richard Stuhan
Sitting Consultant Senior

APS Transmission and Facility Sitting
Po Box 53999, M.S. 3293
Phoenix AZ 85072-3999

Dear Mr. Stuhan,

APS mailed us a letter because we live on mile of APS future San Valley to Morgan Transmission Line Project of 500-kV and 230-kV on the same structures.

If they desire our comments it implies that the project represents a liability for APS and they want a cover up.

The project is too close to Sun City Festival ! Why not 10 miles of this project?! This will highly impact our ability to resale our homes in the future.

It is not known if the electro-magnetic field is safe for humans. There are fears and statistical indications that leukemia in children and tumors in adults are more frequent in the proximity of the power lines.

We do not know what is the impact of this specific project of 500-kV + 230-kV on SCF. If there was no impact, APS would not have asked us to comment. I can understand why such information will be suppressed by APS.

We noticed that a lot of homes close to the present high voltage lines on Ross St and Potter St are for sale. We suspect that has a lot to do with the proximity to high voltage lines.

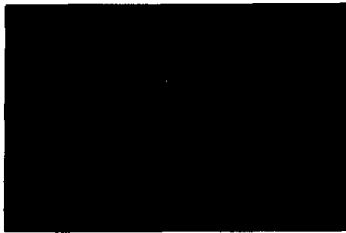
Your help in this matter is very much appreciated.

Nick and Ellen Luca

[Redacted signature area]

Nick Luca
Ellen Luca

Pam Poncelet



Richard Stuhan
Siting Consultant Senior
APS Transmission and Facility Siting
P.O. BOX 53999, M.S. 3293
Phoenix, AZ 85072-3999

August 7, 2014


Dear Mr. Stuhan,

Enclosed are letters I have penned to the powers that be showing my frustration in the utter destruction of my retirement home site, the desert I so love and our beautiful mountain views. Your huge, ugly, invasive power lines are the absolute coup de Gras!

Once again I am faced with a no win situation. Once more no doubt the developers have a say in the location of the power line placement. Why else would you place the power transmission lines one mile to the west of me and two miles to the north of me. I will be virtually surrounded by your high voltage transmission lines when all I wish to be surrounded by is the beauty of the desert and the way the light plays across the face of the mountains at different times of the day!

Since I am being forced to look at the transmission lines I request they be as far from my view as possible. The original 3 mile separation from me to the north is much more appealing than the two miles proposed. Someone needs to leave us with something good to look at out here. What mitigated the proposed corridor modification? Possibly the Broadstone Ranch Developers?

Honestly this has been a very frustrating couple of years!!!

Should you want to answer my questions, I can be reached at 

In waiting I remain

Sincerely Yours,

Pam Poncelet

Pam Poncelet



Raymond Banker
Maricopa County Planning and Development
501 N. 44th St. Ste. 200
Phoenix, AZ 85008

July 8, 2014

Dear Mr. Banker,

Upon receipt of Case #: DMP2014001-Broadstone Ranch Development Master Plan extension I would like to protest. I feel our quality of life as well as that of the fauna (by the way I thought desert tortoises were protected species. Our neighbor Val Williams had one in her yard last year. Should there not be land left for them?) residing in the area are greatly compromised by the allowance of such a large development usurping beautiful desert and blocking our mountain views as well as eliminating a large portion of our home sites. Yep! We will forfeit a portion of our front yards because the developers did not want to change lines on a blueprint! We did not want to lose **our** land however we had no choice!. The very wealthy throw around their monetary might as they wish. Never mind we have actual homes, a country way of life, gardens, cacti, etc. on land with real people and real pets already living there!!!

The neighbors and myself attended the Dove Valley alignment meetings to no avail. We found through researching meetings in nearby communities Dove Valley road would be a parkway no matter how we felt. The placement of the parkway-dictated by the developers. We felt frustrated then and feel our hands are tied now when dealing with the wishes of these heartless land grabbers. Our beautiful yards and view will be replaced with multiple structures and a city. We are happy living in the country the way we are. If we wanted city living we would have purchased a home in town. It is amazing how many city homes are available on a continuum and so few in the country. Yet this insidious sprawl devours us so city people can live in the latest residential corral leaving the last development they were living in with multiple vacancies!

I realize the hearing is a necessary part of the permitting process and no one really cares what we think but I felt it my obligation to try. My opinion is let us and the wild creatures have space. The very least they could do- Move your ink lines so we don't lose a portion of our home sites, as well as our way of life! Do as the Good Book says: "Do unto others..."! Thank you for reading one more fruitless letter.

Sincerely,



Pam Poncelet

Pam Poncelet



The Honorable Janice K. Brewer
Arizona Governor
Executive Tower
1700 West Washington Street
Phoenix, AZ 85007
(602) 542-4331

May 29, 2013

Dear Governor Jan Brewer,

It is my absolute frustration that allows me to address someone of your stature.

My Husband and I are native Montanans. We have been married 39 years and have owned our own landscape and excavating business for 34 years. We had been on four vacations in our lives when a friend from Arizona asked us to visit your beautiful state three years ago. We found many places in Arizona to be very similar to those in Montana. Even though our prairies are defined as high plains desert nothing compares to your Sonoran Desert and its unique plants and animals. I fell in love with the giant saguaros and the yellow blooming palo verde. We were home just two months from our visit when we decided to purchase our future retirement home in Wittmann, AZ.

My husband is a team roper. We had looked at acreage in Wickenburg and in Aguilla but found Wittmann's acreage, level ground and central location to numerous team roping arenas to be favorable for us. We also enjoyed our proximity to the small town atmosphere Wickenburg offers as well as the conveniences businesses along Bell Road in Surprise bring our way. But the defining reason for buying a home in Wittmann was and is the absolute beauty of the desert. We fell in love with it.

We have really enjoyed the last two winters in Arizona at our place in Wittmann. Because we are not old enough to retire, the home and acreage we purchased was to become our retirement home in five years. Montana winters can be brutal, our business is often shut down due to weather for months. We had planned to spent one half of the year in Wittmann and one half of the year in Montana.

Our Wittmann place sits on the south side of Dove Valley Road. Across the street lies the beautiful natural Sonoran desert with quail, lizards, coyotes, road runners, saguaro, creosote bush, mesquite and washes full of yellow blooming palo verde. Sunrise paints the purple-blue Bradshaw Mountains in vibrant tones of rust, gold and copper. Busy hummingbirds add their brilliance to a desert we find breathtaking! To add to the beauty of place are my neighbors. I would have to go far to find such genuinely good, caring, hard working people!

January of 2013 brought bad news for our little neighborhood. We received a letter from Maricopa County Department of Transportation Project Manager Denise Lacey announcing a meeting in the Nadaburg school in Wittmann to go over a planned Dove Valley Parkway. The meeting to be held February 24th. I had no idea what a parkway designation meant to us prior to the meeting. I thought the road was to be widened. To our horror we found we were to lose our homes to a six lane main thoroughfare running east and west eventually to become a portion of an extensive network of freeways and parkways in our region. We were heartbroken. (Prior to purchasing our home I had asked the Century 21 AZ West realtor if any road widening was planned on the Dove Valley road because we had a road widened in Montana where acquisitions were made and I wanted to avoid any repeat in Arizona. He replied it was a country road that had just been recently paved for the first time. I asked what the desert was he replied state trust land that should remain desert for a very long time. We thought we were in the perfect spot!) My neighbors and myself cried at the meeting and asked if anything could be done to keep our homes. We were asked to point out alternative routes for the Dove Valley Parkway that appealed to us on the map provided. We suggested different routes then filled out the provided comment sheets. We were advised the team would go back and look over the suggestions and comments and present alternatives at the second meeting tentatively planned for April 24, 2013.

I phoned Denise Lacey twice to firm up a meeting date. I was told it looked like April 24th would be the date. I made plane reservations for April 19 through April 29. My husband phoned me in Wittmann from Montana April 27th. A letter from MCDOT had come in the mail that day and the meeting date was to be May 1, 2013. I could not change my reservation so I missed the meeting. I phoned Denise Lacey to ask if there was a way to be included in the meeting May 1 or to be informed of the results of that meeting. I phoned her twice after the meeting. I have yet to hear from her. My neighbors called me during and after the May 1 meeting. We discussed alternate routes again and were told the developer who has purchased ground in the desert does not want his planned development bisected by an alternate route. We were informed we would eventually have to move. We were told we probably have five years and possibly ten years to live in our homes.

I feel badly for my husband and myself but I really feel for my neighbors. I do have a home to go to in Montana. They have only their homes in Wittmann, which I might add will be nearly impossible to sell. We have lost the fire that burned in us to bring more beauty to our homes. We feel defeated. Who will want to purchase land designed to be gobbled up by eminent domain? Two of my neighbors have health issues and had hoped to live out their lives with their chickens, goats and wild creatures in our peaceful little spot in the desert we love. Now they and I will be at the mercy of people establishing fair market value for land that is unsaleable and we are faced with the pains of relocation. We have all worked so hard planting trees, cacti, bushes and plants, cleaning up our places and putting in water lines. I cannot tell you how horrible this is for us.

Even though Wittmann had a bad reputation in past years, many team ropers are buying horse friendly properties in Wittmann, Wickenburg and surrounding areas. Wickenburg Businessmen and women are planning to make Wickenburg the team roping capitol of the world. More people have bought in our area because of that designation.

I find it hard to believe the beautiful natural desert and rural people such as ourselves must be usurped for the city dwellings and shopping malls planned across the street from us by Broadstone

Development. We first found out about Broadstone at the February MCDOT meeting. After that meeting I spent hours going over town meeting records, laws and court decisions in an effort to find some means of helping find a bearable solution to our situation I found the people of Wittmann over the course of many years asked Surprise to leave their little unincorporated town alone. Everyone living in Wittmann wants to remain rural. I found nothing to help us remain where we want to live.

Yes we can move and in a few years when developers with deep pockets and a promise to increase the tax base decide they want that piece of land we will be obliged to move again. I find it hard to believe rural areas cannot be set aside for persons wanting room and livestock. At this rate the state of Arizona will end up looking like downtown Phoenix surrounded by parks. People who like city life have options. They need only look at the multitude of listings for available property in incorporated cities. The day I wrote this letter there were 1500 real estate listings in Surprise alone. Why must something as precious as the islands of remaining deserts become more malls. Why are the ink lines on the developers plans for proposed home sites more important than the real properties already in existence with real people, pets and livestock? Where are people such as we to go? What recourse have we? Is this the Arizona you want to represent?

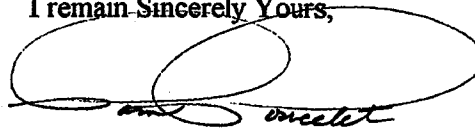
I wanted to ask you for help before attending the last of these three meetings to be held in July of 2013. The MCDOT team had large display boards on easels throughout the room and a very expensive very large map on the tables at the first meeting. I told Denise Lacey the expense to provide information such as that must indicate a done deal. She had stated there were alternate routes to consider. The neighbors post second meeting felt the team was just going through the motions of providing three input meetings necessary to complete that phase of the alignment. They remarked it was a done deal, the team was not interested in hearing any suggestions for alternate routes.

If there is anything you can suggest we do, please inform me. We wish to remain in our homes in Wittmann enjoying the irreplaceable Sonoran Desert.

I want to Thank You in advance for hearing my situation!

Enclosed is the MCDOT Comment sheet with my personal attachment addressing MCDOT's Goals and Objectives. (I obtained the May 1, 2013 comment sheet from my neighbor.) I filled it out and mailed it to Denise Lacey May 10, 2013. I am sending you a copy. I hope you have time to read it.

I remain Sincerely Yours,

A handwritten signature in black ink, appearing to read 'Pam Poncelet', written over a large, loopy oval shape.

Pam Poncelet

August 10th
2014

To Whom This May Concern;

Residents in the Wittmann area have fought to prohibit these dangerous lines from coming through our neighborhood and you got it through (as you knew you would).

Now you propose to change or modify your layout to go adjacent to the private land owner & infringe upon our life style even more. Why can't you stay on public land away from residential growth?

You will be devastating the property values in the area more than ever by such a change.

Consider the increase in the number of potential lawsuits by such modifications.

Sincerely
Shelly J.
Santucci

From: Diane Drouin [REDACTED]
Sent: Sunday, August 24, 2014 1:19 PM
To: Sun Valley to Morgan (SV2M)
Subject: cloud rd and 211th ave power line adjustment.

There isn't a sane builder that would build houses near a power line because no sane person would want to buy one. Yet, you want to adjust this power line near existing residences without a buffer zone that a housing development would have. I understand that housing development would take place on the north side of Cloud Rd in the future. Is the setback from the power line the same for us and for the housing development? Are we to bear the brunt of a near powerline? We all want this powerline as far away as possible. Take into consideration Cloud Road may turn into an express way, a green way, something that will widen Cloud Rd and allow a further setback of the powerlines. I suppose by this line adjustment you are protecting the interests of undeveloped land values north of Cloud Rd. Yet, we are left with no one to protect our interests. I find this powerline adjustment politically biased in favor of lands North of Cloud Rd. Dennis Drouin [REDACTED]

-----Original Message-----

From: [REDACTED]

Sent: Wednesday, August 27, 2014 1:17 PM

To: Sun Valley to Morgan (SV2M)

Cc: [REDACTED]

Subject: Comments to Proposed Changes Sun Valley to Morgan Transmission Line

Dear Mr. Stuhan:

We are in receipt of your notification of the APS Sun Valley (TS-5) to Morgan (TS-9) 500/230kv Transission Line-ALSD Propoosed Corridor and APS Proposed Corridor Modifications.

Of course, we prefer to have no power lines in these residential areas.

With that caveat, we are in support of the proposed changes- particularly the change from 235th Ave/211th Ave and Joy Ranch Road to 235th Ave/ 211th Ave and Cloud Rd. We live at Thurder Ridge Airpark in Morristown. The proposed changes will increase the distance of the corridor from the flight path of incoming and outgoing aircraft at the airpark; allowing for improved safety for the pilots and residents.

Further, we believe the proposed changes will impact less residential areas than the previous corridor, thereby improving quality of life and the scenery of the rural area for more residents.

Thank you for allowing the opportunity to comment.

Jimmy and Tina Graham
[REDACTED]

From: Mary Hansen [REDACTED]

Sent: Tuesday, August 19, 2014 3:43 PM

To: Sun Valley to Morgan (SV2M)

Subject:

To Whom It may Concern:

I am writing this email in response to a letter I received regarding: Arizona Public Service (APS) Sun Valley (TS-5) to Morgan (TS-9) 500/230kV transmission Line-ASLD Proposed Corridor and APS Proposed Corridor Modifications

I reside in the only development located on 211th Ave within 1 mile of the proposed project route modification. It makes no sense to relocate 4 miles of the corridor to 211th to 235th and Cloud Rd. The original route was more direct, which in turn, I'm sure saved money, and did not affect the property value of the homes located on the new proposed route. The corridor will affect the view and serenity, that is the reason why people have located to this development to enjoy, along with the surrounding horse trails. If the initial route was more direct, why change it? Would you want this line project in your backyard, when there is a more obvious and direct route available. I would hope that you would see that moving the line along Cloud Rd. is not an option for your transmission line, and change this modification, so it does not negatively affect these homes.

Thank You,

Mary Hansen

[REDACTED]

[REDACTED]

From: Micah Rasner [REDACTED]
Sent: Monday, August 25, 2014 11:00 AM
To: Sun Valley to Morgan (SV2M)
Subject:

Hello:

Here is my letter of comment concerning the Sun Valley to Morgan Transmission Line proposed modification Decision #70850.

August 25, 2014

Arizona Corporate Commission
Arizona Public Service
Arizona State Land Trust

Or To whom it may Concern:

I am in receipt of a letter dated July 17, 2014 from Arizona Public Service in reference to the Arizona Public Service Sun Valley (TS_5V) to Morgan (TS-9) 500/230 kV Transmission Line-ASLD Proposed Corridor and APS Proposed Corridor Modifications.

I am the property owner of [REDACTED] which is located one road south of Cloud Road and just west of 211th Avenue. Therefore, I have a vested interest in the recent reopening of what had been referred as Decision #70850.

This "MODIFICATION" of the transmission line described in the July 17, 2014 letter would envelope my property and the established residential/equestrian community I live in on "TWO SIDES" by huge transmission lines.

To say the least I am OPPOSED and OUTRAGED at this aggressive move by APS and the Arizona State Land Department against private landowners and the established residential community they propose to envelope with transmission lines while seeming to have no regard for the residents health, welfare and loss of property values.

While the Arizona State Land Department openly expresses that they do not want state land split by the transmission lines because it will have a negative impact on the value of the state land property likewise, it will have that same exact negative impact on the value of the private landowners property in this unique established equestrian community by enveloping the community on TWO SIDES with transmission lines. This unique equestrian community has cried out throughout this whole process and now the Arizona Corporation Commission has permitted this issue to be reopened at the request of APS.

Private landowners in my community would be impacted by their loss of views to the pristine Arizona desert vistas which is why the private landowners have chosen to buy and build expensive CUSTOM HOMES in that area. There are only CUSTOM HOMES in that area. Many of us have "CHOSEN" your state over any other state because of its climate and beauty. Many of us travel hundreds of miles every year with our precious equine cargo to enjoy what your state has to offer.

Is it recognized by Arizona State Land Trust, Arizona Corporate Commission and Arizona Public Service the unique lifestyle (rodeo/equestrian) enjoyed by the residents of that community? Is it recognized that we also contribute to the Arizona schools

K-12 by the payment of our property taxes and that we also contribute to the Arizona economy by an influx of capital to your restaurants, gas stations, shops, grocery stores, western stores, furniture stores, horse trailer and automobile dealerships?

Is it recognized by Arizona State Land Trust, Arizona Corporate Commission and Arizona Public Service that because of the unique equestrian lifestyle this community offers it has drawn more and more people from other states to come to that area (specifically) to live, stay, spend money buy and build more custom homes simply because of its uniqueness?

I believe you must either be overlooking a segment of your Arizona community who loves the State of Arizona, and has chosen your state above all others or no one has made you aware of these private landowners and their unique and flourishing community. These are people who choose to contribute to Arizona's economy. These are people that you want in your state. These are people who need and should be heard on this issue.

I respectfully request that you reconsider this notion of MODIFYING the route of these transmission lines by taking them down Cloud Road and 211th Avenue which will envelope this established residential community on two

sides and by doing so will destroy this community's desirability, destroy property values and potentially endanger the health and welfare of its residents and their livestock whose value cannot be calculated at this time.

I respectfully request that you place these transmission lines on any number of other proposed operationally efficient routes that had been previously laid out.

I believe this aggressive action of the proposed modification to place these huge transmission lines in such a concentrated area where an established residential area exists is because we are without legal representation as other residential areas have enjoyed that have fought the battle we are trying to fight. I believe because we lack legal representation we lack stature in the eyes of APS, Arizona Corporate Commission and Arizona State Land trust who I fear views us an easy target and path of least resistance because we do not have that legal voice.

I believe this aggressive modification will irreparably harm the residents and the livestock of this established residential community by the intrusive placement of these concentrated above ground unsightly and unhealthy transmission lines along two sides of their community.

With this letter of comment I submit an article that discusses the negative impact transmission lines have on the health and welfare of humans and livestock.

Respectfully,

R.A. Rasner



Electric Transmission Lines Individual Rights vs Utility Rights of Public Domain



By Donald Hillman, Ph.D., Professor Emeritus, Michigan State University

Published by Shocking News,¹ No. 6. Email: donag1@aol.com

January 10, 2005

A few years ago most electricity was generated at local Rural Electrification Administration (REA Cooperative) generation plants. As demand for electrical energy has increased, most utilities have adopted the practice of purchasing electricity from generators located hundreds of miles away, e.g. Alabama, Mississippi, Texas, etc. The electricity is shipped to other utilities via high voltage, high current transmission lines. The companies that own the transmission lines may not be the producers nor the utility serving local customers. They are simply independent transmission operators (middle-men) who make a profit by moving electricity across personal private property in their overhead lines and selling it to utilities at some other location. The electricity moving through the transmission lines is not ordinarily used by utility customers over which it travels. It is simply being transported across your private domain as the raw material from which profits are made somewhere else. In that regard, the transmission line does not serve eminent interests of public domain; there are other means of getting electricity to public citizens and businesses. It serves the profit interests of a utility located elsewhere.

In the early days of rural electrification, Right of Way (ROW) for local "distribution lines" were granted by farmers and land owners to serve the interests of neighbors and themselves. As utilities grew larger and reached greater distances, ROWs for transmission lines were also granted for the noble purpose of serving the public through a "public utility." Transmission lines were generally smaller, limited to two or four lines, and carried less volts and current.

Now citizens are asking for answers to reasonable questions and are opposed to unnecessary, excessive, and intrusive development of transmission lines trespassing on private property. Questions about use of underground transmission cables; insulation of the transmission lines; local power generation instead of transporting hundreds of miles; appropriate environmental appraisals; and protection from secondary health effects on families, children in schools, neighborhoods and businesses; and effects on property values are all on the table and often end up in court.

Utilities using a grounded-Y system have saved millions of dollars by using the ground as part of their electric circuits instead of returning the unused neutral current through hard

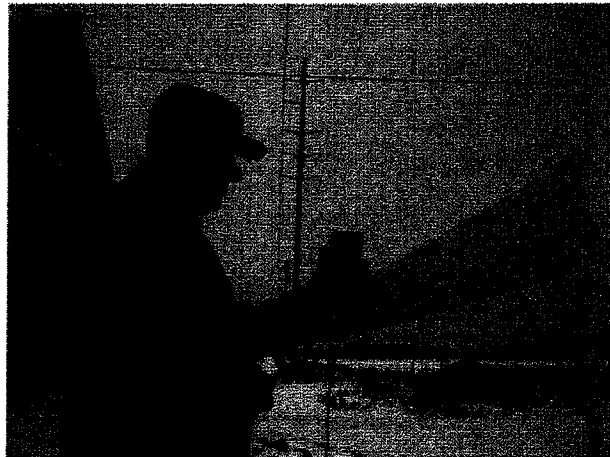
wires. (Donald W. Zipse, PE, Electrical Shock Hazard Due to Stray Current, 2002).

Some Things are Different Now

Today utilities are using that same ROW that was obtained 30 to 50 years ago to install higher voltage/current transmission lines in locations where the farmer or landowner never intended such a transmission line to be built.

For example, Consumers Power Co. (Consumers Energy) had a 133-foot ROW that passed between a dairy barn and within a corn-crib/ machine-shed that was obtained 30 years ago. The power line was originally a 3-wire circuit.

In 2004, Consumers decided to increase the transmission line to 9-wires (three 3-wire, 0.71 inch diameter circuits) in the same location. Each of the wires carries 46 kV (46,000 Volts) pushing several thousand amperes of current to a new sub-station across the highway from the farm.



Mr. Chick Reading 71.6 Volts under 46 kV Transmission Line

The farmer/landowner objected to this large increase in electricity passing over the most common workspace for preparing and repairing farm machinery, storage of grain, entrance to the dairy barn, and cattle lots located next to the transmission line and the dairy barn. He offered free ROW to Consumers if they would change the location of the

¹*Shocking News* (dba) is a registered publisher of science-based information dedicated to public awareness of electric and magnetic fields (EMF) in the living environment and their effects on the health and welfare of humans and animals. Editor is Don Hillman, Ph.D., Professor Emeritus, Department of Animal Science, with help from wife Mary, MS, Michigan State University, East Lansing, MI. Don is a member of the American Society of Agricultural Engineers and The American Dairy Science Association. Telephone: (517) 351-9561.

transmission to traverse next to the road-fence ¼ mile south of the farmstead, a path that would be directly across from the new sub-station and would not induce the extra health-risk in the working/living area of the farm.

Consumers refused the offer saying they had the right of eminent domain, and they proceeded with construction of the transmission line between the barn and the storage building. Consumers claimed the transmission lines posed no danger to the farmer or to livestock on the farm. They claimed there was no basis for health concerns.

A similar situation is developing in the north-east section of Grand Rapids (Ada, MI) where Consumers has decided to build a transmission line through 10.7 miles of suburban, high valued property after allegedly having told local landowners no transmission lines would be built on the ROW (See mlive.com 1/10/05, Ed White, Grand Rapids Press).

Voltage, Electric and Magnetic Fields Under the Transmission Lines at the Leslie Farm

Voltage on a temporary fence registered 68.9 to 71.6 Volts (root mean square, rms), January 10, 2005, and 60.3 Volts on July 18, 2004. Voltage was measured with a Fluke® 79III oscilloscope at a height about 5.5 feet above the ground, between a wire fence and the ground. The fence was a 15 foot x 1 foot wire mesh (1/8" hardware cloth) strung between insulated plastic stakes parallel to and directly below the power lines.

Electric fields were 8 kV/m (kilovolts per meter) measured about 6 feet above the ground, with an Alpha Lab® TriField Meter, January 10, 2005. EMF readings about 5 feet above the ground November 8, 2004, at 2:30 PM, were 2.5 kV/m e-fields and 4 milliGauss (mG) magnetic fields. Effects of electric and magnetic fields on health of humans and cattle are reported below.

Voltage differential from the metal roof of the building to ground was 5.0 V, and on the galvanized-steel door of the building next to the power line, 4.6 V ac (8/18/04). The farmer reported that he received a strong electric shock when he touched the door to open or close it.

Prior to installation of the 9-wire line, voltage from (corner) roof to ground was 0.112 to 0.16 V (peak to peak). The metal door-to-ground measured 1.28 Vrms (7/05/04). The dairy-barn roof on the south side of the transmission line ROW measured 0.448 Vrms at 8:15 PM, 7/05/04 prior to energizing of the 9-wire installation.

A study of the **Electrostatic and Electromagnetic Effects of Overhead Transmission Lines**, was conducted by the Rural Electrification Administration (REA), Division of the United States Department of Agriculture, May 1976. It contains numerous illustration and examples of the induction of amperage and voltage from transmission lines to fences, trucks, and other metallic conductive objects at various distances from power lines, ranging from 345 to 765 kiloVolts (kV). At page 9, the document states, "When a conductive object is connected to ground through a person's body resistance, a shock current flows through the connection if an induced voltage exists between the point of contact and ground. The seriousness of this shock is determined by the magnitude of current flowing through the body. Currents of 1 milliamper (mA) or more, but

less than 6 mA, are often termed secondary shock currents. Currents with magnitudes of 6 mA or more are considered primary shock currents. A possible consequence of primary shock current is ventricular fibrillation of the heart which results in an immediate arrest of blood circulation. Table II-1 summarizes typical effects of electric currents on an average size man (150 pounds), reference 10." [Reference 10 is IEEE Midwest Power Symposium, University of Cincinnati "Investigation of the Electrostatic Voltages Induced by EHV and UHV Transmission Lines," by J. C. Procario and S. A. Sebo, October 1974].

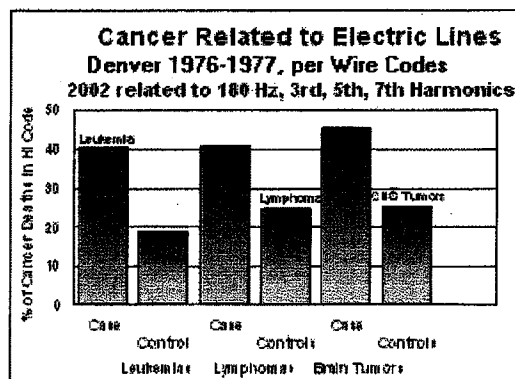
Some will ask, "Who wants to be challenged to the highest likely "let go" current without preventing it if possible.

A protective electrically-insulated suit is now available for electrical workers to reduce induced body current and contact current when working near high power radio, TV, or transmission sites. See: KW-Gard™, Euclid Garment Manufacturing Company, Kent, OH. The suits effectiveness was confirmed by Richard A. Tell and Associates, consulting engineers, Las Vegas, NV. Families may want to inquire about protective playsuits for children?

Harmful Effects of Exposure to Electricity Radiated from Transmission Lines

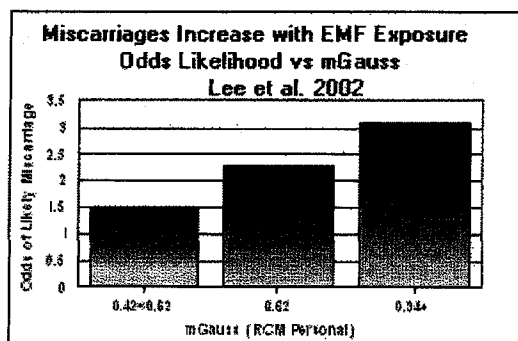
Increased Risk of Childhood Leukemia, Brain Tumors and other forms of Cancer—

In Denver, Colorado (2002), a study conducted by electrical engineers and epidemiologist reported that the risk of children dying from cancer was four times higher if they lived near high voltage/high current electrical lines than controls who did not live near high current lines. The incidence of cancer was directly related to the intensity of electromagnetic fields (EMF) in the living area of the homes of victims who died from cancer. Electric current was followed from the utility service drop—hot, and neutral wires grounded to the water lines and EMF was related to current on the water lines to which the electric system was grounded [W. T. Kaune, et al. Study of High- and Low-Current Configuration Homes From the 1988 Denver Childhood Cancer Study. *Bioelectromagnetics* 23:177-186 (2002)].



Cancer Risks, Vs Electricity in USA

An Evaluation of the possible risks from electric and magnetic fields (EMF) from power lines, internal wiring, electrical occupations & appliances was conducted in 2002 by the California Department of Health and Human Services for the Public Service Commission. They concluded that more than 50% chance of a small increased risk of childhood leukemia, adult brain cancer, and amyotrophic lateral sclerosis (ALS—Lou Gehrig's Disease), and more than 50% chance of 5-10% added miscarriages, 10-50% increased risk of male breast cancer, childhood brain cancer, suicide, Alzheimer's disease, or sudden cardiac death. (See the following website)
<http://www.dhs.ca.gov/ehib/emf/RiskEvaluation/riskeval.html>.



Non-Hodgkin's Lymphoma was associated with intensity of electric fields and exposure time of Ontario, Canada, Hydro (utility) workers. Subjects in the upper tertile of percentage of time spent above electric field intensities of 10 and 40 Volts per meter had odds ratios of 3.05 and 3.57 indicating they were 3 to 3.57 times more likely to get Non-Hodgkin's lymphoma (cancer) than utility employees who were less exposed to electric fields. Electrical exposures of utility workers in various occupations had been monitored while they worked. (Villeneuve, Paul J., et al. 2000. Non-Hodgkin's lymphoma among electric utility workers in Ontario: the evaluation of alternative indices of exposure to 60 Hz electric and magnetic fields. *Occupational and Environmental Medicine*. 2000, 57:349-357).

It should be noted that Electric Fields on the Chick farm under the transmission line were 8 kV/m, approximately 8,000 times higher than exposure of the Canadian electrical workers.

Summary of Nine Studies

Children residing in homes with exposure levels $< 0.4 \mu\text{T}$ had no increased risk, while children with exposures $\geq 0.4 \mu\text{T}$ had a relative risk estimate two times greater than children exposed to $< 0.4 \mu\text{T}$ ($0.4 \text{ microTesla} = 4 \text{ milliGauss}$). From: A Pooled Analysis of Magnetic Fields and Childhood Leukaemia, *British Journal of Cancer* (2000).

Further from the UK:

Childhood leukemia risk doubles within 100 meters of high-voltage power lines. This result from the Oxford Childhood Cancer Research Group study, headed by Gerald Draper analyzed and compared 33 years of data (from 1965-1995) on 35,000 children diagnosed with cancer, with their distance to the nearest electricity transmission line. The biggest ever funded UK study into power lines and child cancer has found that children under the age of 15 living within 100 meters of high-voltage power lines have close to twice the risk of developing leukemia. (See: www.revolt.co.uk and <http://www.leukaemiaconference.org> Westminster, Sept. 6-10, 2004).

Blood sugar levels of diabetics increased as measures of electricity (millivolts and microsuges) increased in the living environment of patients diagnosed with diabetes. Secondly, reducing electrical pollution (high frequency electrical noise) by use of microsurge filters plugged into wall outlets resulted in blood glucose decreasing within minutes. Insulin use decreased from 36 to 9 units (Humlin 70/30) per day when the filters were installed in the home of an elderly patient with diabetes. [M. Havas and D. Stetzer, *International Conference on Childhood Leukaemia*, London, Sept. 6-10, 2004].

Similarly, persons living near electrical transmission lines had significantly more cases of Type II diabetes than persons living farther from the transmission lines in Australia [Beale, Ivan L., Neil E. Pearce, Roger J. Booth, and Sandra A. Heriot. 2001. Association of Health Problems with 50 Hz Magnetic Fields in Human Adults Living Near Power Transmission Lines. *J. Australian College of Nutritional & Environmental Medicine* 20(2):9-12,15,30]. Results indicated that the average and the mean time-integrated magnetic field exposure (mGauss-hour) ranged from 6.4 at the lowest to 307.6 mG-h at the highest exposures in the two or three rooms in which occupants spent one or more hour per day on average. Chronic illnesses and asthma were also linearly related to the flux density of magnetic field exposure, mG-h. The report contained results from 112 subjects in each exposure category, 560 total. Effects of electricity on the immune system may play a role.

These diabetes findings correspond with reports that insulin secretion from pancreatic cells of laboratory animals was reduced by exposure to EMF in three of four reports [Sakurai, T., et al., 2004. An extremely Low Magnetic Field Attenuates Insulin Secretion From the Insulinoma Cell Line, RIN-m. *Bioelectromagnetics* 25:160-166 (2004)].

Effects of Electric and Magnetic Fields on Dairy Cows—

Studies conducted at McGill University, Montreal, Quebec, Canada, have revealed that several changes in blood and cerebrospinal fluid (CSF), milk and milk-fat production occurred when dairy cows were exposed to 10 kV/m vertical electric fields, and 30 μT (micro Tesla) horizontal magnetic fields for 28 day periods. Intensities are equivalent to standing under a 735 kV electrical transmission line. Tesla and Gauss

are measures of the flux density of magnetic fields, ($1.0 \mu\text{T} = 10$ milliGauss) named after their inventors.

Burchard et al. reported in Bioelectromagnetics (2003):

Sixteen nonpregnant lactating Holstein cows with 150 ± 40 days of lactation were confined to wooden metabolic crates in a E & MF chamber during the experiment with a 12:12 h light:dark cycle.

Results were as follows:

1. Milk production decreased 5% from exposed cows compared to controls.
2. Fat-corrected milk decreased 14% compared to controls.
3. Milk fat decreased 16% compared to controls
4. Dry matter intake increased 5% compared to controls.

No significant change in milk or fat production was found during an earlier 28-day trial report in the Journal of Dairy Science 79(9):1549-1554 (1996).

Physiological effects from Burchard et al. include:

1. Melatonin, a hormone produced in the Pineal gland in the brain, decreased in cows exposed to EMF.
2. Melatonin has strong oncostatic immunological, and antioxidant properties in the blood. It normally follows the pattern of light:dark nocturnal exposure.
3. Progesterone increased in lactating pregnant cows.
4. Length of estrus cycle increased 3 days.
5. Insulin-like growth factor (IGF-1) increased in blood.
6. Growth hormone was modified during part of the nocturnal cycle.
7. Macro and trace element changes in blood: Calcium, magnesium, iron, and copper were affected by EMF exposure.
8. Cerebrospinal fluid (CSF) changes in concentrations of Ca, P, Mg, Mn and Na occurred.
9. Quinolinic acid increased in CSF, tryptophan tended to increase in CSF.
10. CSF changes were consistent with weakening of blood-brain barrier, according to the authors.

While none of these physiological disturbances were considered clinical, needing treatment, exposure of the cows to EMF was limited to 28 days. Under farm conditions they are likely to be exposed continuously from birth to death.

Secondly, the low milk-fat production of cows exposed to EMF as reported in the latest McGill University experiment concurs with a report by Cornell workers in which cows exposed to electricity during milking had lower fat test. "Milk fat was lower when currents were applied to first lactation cows and significantly lower for multiple-lactation cows." (Aneshansley, Gorewit, and Price, J. Dairy Sci 75:2739, 1992).

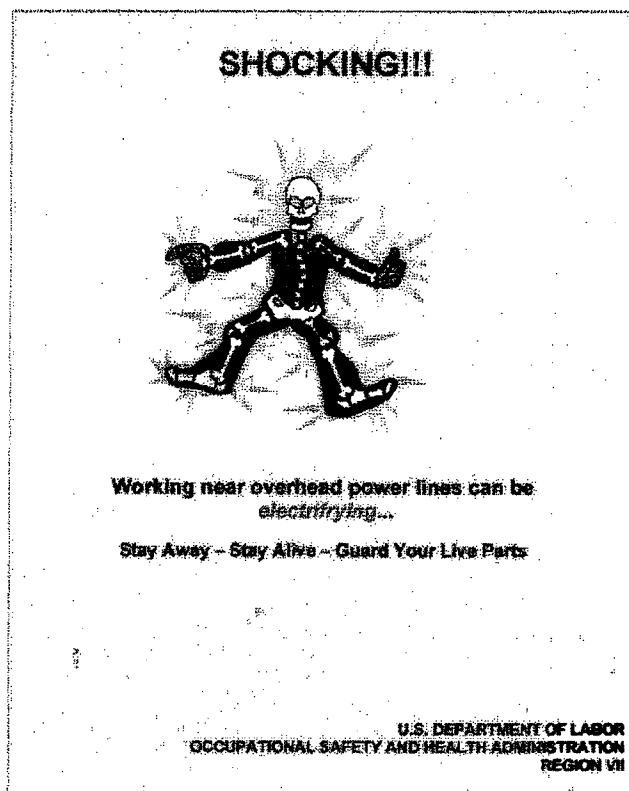
The low milk fat production of cows exposed to electricity may be due to a diabetic condition. If electrical exposure depresses insulin release from the pancreas, absorption of glucose from blood into mammary cells may be limited. Glucose is essential for synthesis of milk fat in mammary cells. Further research is needed to assess this relationship.

Effects on Immune System of Cows Exposed to Overhead Transmission Lines:

Investigators in Italy, analyzed the blood cells and antigens of dairy cows housed 7 meters under a 380 kV transmission line. Cattle on farm A were exposed to 1.98 to 3.28 μT , whereas the values measured on the control farm B can be considered zero, except in brief periods (3 min 4 x per day) the measures were from 0.2 to 0.7 μT when the automatic feeder was running.

Results indicate that certain sub-populations of lymphocytes particularly CD4+/CD8 ratios indicate a depressing effect on blood cells and immunity that may be specific for ELF-EMF electrical exposure. (Calogero et al., Effects of EMF on Circadian Rhythms and Distribution of Some Leucocyte Differentiation Antigens in Cows, University of Padua, Italy, International Veterinary Conference, Quebec 2004).

Marino et al., at LSU Medical Center, concluded that power frequency fields produce changes in the immune system that were both real and inconsistent, thus linear relationships should not always be expected while statistical method for chaos were most helpful. Serotonin, the most important neurotransmitter in the body; and neuroreceptors in the brain were modified by EMF in experiments at several universities.



From: [REDACTED]
Sent: Wednesday, August 27, 2014 2:54 PM
To: Sun Valley to Morgan (SV2M)
Subject: Modification to ACC Decision No. 70850

I oppose the requested change to the ACC approved route.

1. The original APS route was not controversial among the private land owners as it was carefully chosen by APS to affect as few private landowners as possible. The proposed route did not draw much attention from the general public because of this.

2. The original proposed route was changed at the Lone Mountain alignment to SR 74 along its current ACC route at the request of the ASLD and a large land developer (Lyle Anderson) in order to move the route away from the land owners property. This change resulted in a large amount of ASLD land divided by the approved route. There were objections to this change at the time but the change in the route was approved.

3. The ASLD requested modification of the ACC approved route will bring the transmission lines within 100 feet of occupied residences.

4. The ASLD requested modification of the ACC approved route will add two turning structures to the cost of construction.

Richard D Stallings
Ladona Stallings

Public Comments Received Through Website

Last Name	First Name	Format	Date Received	Submission Text
Williams	Tamara	Web Comment Form	7/26/2014	To whom it may concern, We are somewhat concerned about the closeness of the planned transmissionline. Mainly about possible health problems resulting of the relative closeness of the transmission line but also about possible lower market value of our property. Could this new line not follow the existing lines to Morgan or the canal? Why does a completely new construction have to be done? We would be happy for any more information about it. Thank you. Sincerely Tamara and Samuel Williams
Lopez	Richard	Web Comment Form	7/31/2014	I represent the nearby Pulte/Del Webb communities of Sun City Festival Ranch and Festival Foothills.
Black	Julie	Web Comment Form	8/21/2014	I would like to voice my objection to the amendment which APS is requesting to change the route of this project from 211th Ave and Joy Ranch Rd. to 211th and Cloud Rd. As I am writing this objection, I have yet to be notified by APS regarding this amendment request. I found out about this request via a neighbor who lives out of state during the summer. As I have tried to follow this process, I have attended several meetings, each time providing my contact information. I have lived at the same address for 9 years. I receive my APS bill on time monthly and yet I continue to not be informed of this process. This change would impact an established rural neighborhood. According to the environmental impact study this would be of no benefit to this area. And I agree. This route has already been approved! It needs to stand as is!

Public Comments Received Through Website

Carmin	Joe and Bonnie	Web Comment Form	8/25/2014	<p>To APS: We are commenting on the (Arizona State Land Department (ASLD) proposed corridor modification. The residents that live off of 211 Ave. and Cloud have written letters before and have attended meetings to protest this route of the ASLD proposed corridor modification and no one seems to be listening or caring. The already certified corridor is next to way less private land than ASLD's proposed route that borders more private land and has two more corners to construct than the original certified route. The original proposed route goes through desert that will not be harmed by the lines except a few rattlesnakes. Whereas, if the line goes down Cloud road, many AZ. residents, their livestock, horses and property values will be affected. Is anyone listening? As we understand it, ASLD doesn't want AZ land compromised and divided into two sections. This AZ land probably won't ever be developed anyway so what does it matter? The land along Cloud and 211th Ave. is already developed and we all paid highly for this privilege to live in the country with horses that could be affected if this transmission line is built so close to our properties. Since the original corridor is already certified, it it beyond us why you would want to change it for something less desirable for AZ residents. Please listen to the residents that already live in the area of Cloud and 211th Ave., and use the certified corridor and reject the ASLD proposed corridor modification. Sincerely, Joe and Bonnie Carmin</p>
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Public Comments Received Through Telephone Calls

Last Name (none given)	First Name	Format	Date Received	Submission Text
Elias	Brad	Telephone	7/29/2014	Discussed location of undeveloped parcel (APN 503-30-016-N) vs location of project and proposed amendments. No issue identified at the time of call
Went	Ron	Telephone	7/29/2014	Lives in Sun City Festival. Presented general questions and no issue identified at the time of the call.
Rasner	Dave	Telephone	7/30/2014	No issue identified
McGaffin	Micah	Telephone	7/30/2014	Concerned about ASLD Proposed Corridor. Concerns focus on negative property values and health concerns. Opposed to ASLD Proposed Corridor.
Lopez	Mark	Telephone	7/30/2014	Answered questions. No comments or issues identified at the time of the call.
Schein	Richard	Telephone	7/31/2014	General questions answered. Wanted to verify that none of the proposed changes impacted Sun City Festival.
Christiansen	Mary Ann	Telephone	8/4/2014	One or more parcels (APN 503-17-020) in the area of the ASLD Proposed Corridor. Opposes ASLD Proposed Corridor amendment. Issues identified include possible negative property values and health concerns.
	John	Telephone	8/12/2014	No issue or concern identified on the call concerning the Surprise Grand Vista (former Chrysler Proving Grounds) property. Mr. Christiansen was concerned whether area property owners were notified of the proposed amendments.

Exhibit C

Petition to modify the proposed corridor for the planned Sun Valley (TS-5) to Morgan (TS-9) 500/230kV Transmission Line

To whom it may concern,

07/28/2014





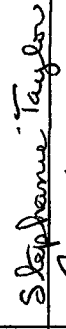
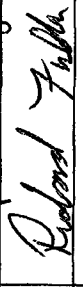

We, the undersigned, are concerned residents (owners/tenants) of 227th Ave in Wittmann, AZ, and petition together the modification of the above named Transmission Line to be build further away from our neighborhood.


Your mailing from 07/17/2014, in which you informed us of modifications to the proposed corridor for the planned Transmission Line, brought our attention to how close ("...because you live within one mile of ...") this corridor and Transmission Line is planned to our neighborhood. After reviewing the provided map and the Environmental Impact Statement, we are still concerned about possible health risks as well as declines of our property values!

We believe that there are other alternatives to this corridor route than the currently proposed one (i.e. the new Transmission Line could follow the already existing 500kV Transmission Line or could follow 267th Ave all the way up to meet Joy Ranch Road).

We would appreciate your comment and cooperation on these concerns and are looking forward to hear from you.

Sincerely

Printed Name	Signature	Address	Comment	Date
Carol Arceip			CONCERN: ELECTROMAGNETIC WAVES, OTHER HEALTH RISKS, PROPERTY VALUES, etc.	7/30/14
Stephanie Ursa			Health concerns	7/30/14
Leighton Blankenship			Toddler & new baby arriving	7/30/14
Stephanie Taylor			HEALTH CONCERNS	7/30/14
Richards Fuller			Property Values	7/30/14
Lisa Stewart			Health concerns	7/30/14

Printed Name	Signature	Address	Comment	Date
Laura Cambria	<i>Laura Cambria</i>		Disable - Do not need added medical problems	7/30/14
Eve Streets	<i>Eve Streets</i>		3 kids, security - property values	7/30/14
TIM O'Boyle	<i>Tim O'Boyle</i>			7-30-14
Rachelle O'Boyle	<i>Rachelle O'Boyle</i>			
MICHAEL G. SMITH	<i>Michael G. Smith</i>		PROPERTY VALUE LOSS	7-30-14
Michael Smith	<i>Michael Smith</i>			7-30-14
Chuck Berthel's	<i>Chuck Berthel's</i>			7/30/14
Debra Wells	<i>Debra Wells</i>			7/30/14
Jessie Field	<i>Jessie Field</i>			7/30/14
Tamara Williams	<i>Tamara Williams</i>		3 kids, medical concern, property value, view	7-30-14
Ashley Hill	<i>Ashley Hill</i>		have kid, bad view	8/2/14
Steve Foster	<i>Steve Foster</i>		I have kids	8-2-14
RAY HEINER	<i>Ray Heiner</i>		Value	8/2/14
THEODORE HEED	<i>Theodore Heed</i>		HEALTH ISSUES	8/2/14
JAMES AUBURNIAN	<i>James H. Auburnian</i>		NO REASON TO RENT THESE UNITS NEAR EXISTING HOME MOVE TO STAY IN AREA	8/2/14
Judi Zaragoza	<i>Judi Zaragoza</i>			8/2/14

Printed Name	Signature	Address	Comment	Date
JAMIE COLEE	Jamie Colee		Don't want power	08/05/14
LISA THOMPSON	Lisa Thompson		Don't want power LINE SO CLOSE	08/05/14
Brian Wisely	Brian Wisely		Don't want it	8/05/14
Andres Hernandez	Audelia		Don't want power line so close	8-05-14
KC BUSH	UBA		Don't want	8-05-14
Roy Hawkins	RO Hawkins		Do not want Health, Property	8-6-14
Idella Hawkins	Idella Hawkins		Do not want Property	8-6-14
Trina Hawkins	Trina Hawkins		Do not want Property	8-6-14
Kevin Kiel	Kevin Kiel		Do not want Property	8-6-14
Trina Hawkins	Trina Hawkins		Do not want Power	8-6-14
Thyane Stans	Thyane Stans		DO NOT WANT	8-6-14
LEIGHA COLE	LEIGHA COLE		DO NOT WANT	8-6-14
Cheryl Harsh	Cheryl Harsh		Do Not want	8/7/2014
OREBT CORRENT	OREBT CORRENT		NO	8/16/14
Donna M. Sander	Donna M. Sander		No	8/16/14

[illegible]